

Amendment to the Claims:

This listing of claims will replace all versions, and listings, of claims in the application:

Claims 1 – 5 (Cancelled)

6. (Previously Presented): An antenna system, comprising:
at least one plurality of antenna elements for sending and receiving a wireless signal; and
at least one conductive member, having edges displaced from and substantially directed toward the at least one plurality of antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns;

wherein the at least one conductive member comprises a plurality of non-intersecting conductive members wherein each conductive member is associated with at least one plurality of antenna element.

7. (Original): The antenna system of claim 6 wherein the plurality of conductive members comprise first and second conductive members, located at a substantially perpendicular angle.

8. (Original): The antenna system of claim 7 wherein each conductive member is associated with a pair of antenna elements, disposed at respective opposite ends of the respective conductive member.

9. (Original): The antenna system of claim 8 wherein the pair of antenna elements associated with the first conductive member are adapted to operate in a first wireless frequency band and the pair of antenna elements associated with the second conductive member are adapted to operate in a second wireless frequency band.

10. (Original): The antenna system of claim 9 wherein the first and second wireless frequency bands are 2.4 GHz and 5 GHz wireless bands.

Claims 11 – 12 (Cancelled)

13. (Previously Presented): An antenna system, comprising:
a plurality of antenna elements for sending and receiving a wireless signal; and
at least one conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns;
wherein the at least one conductive member comprises a substantially angled member.

14. (Original): The antenna system of claim 13 wherein the substantially contoured member is an angled member having a vertex edge substantially directed toward the at least one antenna element.

15. (Previously Presented): An antenna system, comprising:
a plurality of antenna elements for sending and receiving a wireless signal;
at least one conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns; and
a sandwich module for providing a further level of antenna isolation.

16. (Original): The antenna system of claim 15 wherein the sandwich module comprises metal plates that substantially face the at least one conductive member at a perpendicular angle.

17. (Original): The antenna system of claim 15 where the sandwich module comprises a separation material having RF isolating properties, for providing a further level of antenna isolation.

Claims 18 – 19 (Cancelled)

20. (Previously Presented): An antenna system, comprising:
a plurality of antenna elements for sending and receiving a wireless signal; and
at least one conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns;
wherein the antenna element is shorter than the respective edge of the conductive member.

Claims 21 – 25 (Cancelled)

26. (Previously Presented): A wireless device, comprising:
a radio transceiver comprising a plurality of radio components for processing a wireless signal;
a plurality of antenna elements for sending and receiving a wireless signal; and
at least one conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns for the wireless signal;
wherein the at least one conductive member comprises a plurality of non-intersecting conductive members wherein each conductive member is associated with at least one antenna element.

27. (Original): The wireless device of claim 26 wherein the plurality of conductive members comprise first and second conductive members, located at a substantially perpendicular angle.

28. (Original): The wireless device of claim 27 wherein each conductive member is associated with a pair of antenna elements, disposed at respective opposite ends of the respective conductive member.

29. (Original): The wireless device of claim 28 wherein the pair antenna elements associated with the first conductive member are adapted to operate on a first wireless frequency

band and the pair of antenna elements associated with the second conductive member are adapted to operate on a second wireless frequency band.

30. (Original): The wireless device of claim 29 wherein the first and second wireless frequency bands are 2.4 GHz and 5 GHz wireless bands.

Claims 31 – 32 (Cancelled)

33. (Previously Presented): A wireless device, comprising:
a radio transceiver comprising a plurality of radio components for processing a wireless signal;
a plurality of antenna elements for sending and receiving a wireless signal; and
at least one conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns for the wireless signal;
wherein the at least one conductive member comprises a substantially angled member.

34. (Original): The wireless device of claim 33 wherein the substantially contoured member is an angled member having a vertex edge substantially directed toward the at least one antenna element.

35. (Previously Presented): A wireless device, comprising:
a radio transceiver comprising a plurality of radio components for processing a wireless signal;
a plurality of antenna elements for sending and receiving a wireless signal;
at least one conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns for the wireless signal; and
a sandwich module for providing a further level of antenna isolation.

36. (Previously Presented): The wireless device of claim 33 wherein the sandwich module comprises metal plates that substantially face the at least one conductive member at a perpendicular angle.

37. (Previously Presented): The wireless device of claim 33 where the sandwich module comprises a separation material having RF isolating properties, for providing a further level of antenna isolation.

Claims 38 – 39 (Cancelled)

40. (Previously Presented): A wireless device, comprising:
a radio transceiver comprising a plurality of radio components for processing a wireless signal;
a plurality of active antenna elements for sending and receiving a wireless signal;
at least one passive conductive member, having edges displaced from and substantially directed toward the plurality of active antenna elements, and cooperating therewith to establish a plurality of hemispherical beam patterns for the wireless signal; and
wherein the antenna element is shorter than the respective edge of the conductive member.

Claims 41-62 (Cancelled)